

WIRBILIS, Stanislaw, mgr., inz.

"Analysis of a galvanic bath" by Kenneth E. Langford. Reviewed by
Stanislaw Wirbilis. Przegl mech 20 no.18:571-572 S '61.

WIRBILIS, Stanislaw, mgr., inż.

Cleaning of metal surfaces in melted alkaline salts. Przegl mech
21 no.6:186 '62.

WIRBILIS, Stanislaw, mgr. inz.

"Cracked and crackless chromium plating" by J. Odekerken.
Reviewed by Stanislaw Wirbilis. Przegl mech 21 no.12:
382-383. 25 Je '62.

WIRBILIS, Stanislaw, mgr inz.

"Cutting off an important work before the final cleaning of metal + preparatory treatment" by T.H. Curti. Reviewed by Stanislaw Wirbilis. Przegl mech 21 no.15:477 10 Ag '62.

WIRBILIS, Stanislaw, mgr inz.

"Electroplating on titanium" by L. Dominikov. Reviewed
by Stanislaw Wirbilis. Przegl mech 21 no.16:510 25 Ag '62.

WIRBILIS, Stanislaw, mgr inz.

Electroplating for designers. Przegl mech 21 no.17:521-528
10 S '62.

1. Wytwarzania Sprzetu Komunikacyjnego, Warszawa-Praga II.

WIRBILIS, Stanislaw, mgr inz.

"Rust preventive failure" by B.H. Bailey. Reviewed by
Stanislaw Wirbilis. Przegl mech 21 no.17:542-543 10 S '62.

WIRBILIS, Stanislaw, mgr inz.

"Hydrogen embrittlement of high tensile steels during chemical and electrochemical processing" by L.E. Probert, J.J. Rollinson. Reviewed by Stanislaw Wirbilis. Przegl mech 21 no.19/20:644-645 25 0 '62.

WIRBILIS, Stanislaw, mgr inz.

"Effect of supersonic cleaning, pickling, and plating on the structure and adhesion of electrodeposited nickel and chromium" by T.G. Kozan. Reviewed by Stanislaw Wirbilis. Przegl mech 21 no.21:674-675 N '62.

WIRBILIS, Stanislaw, mgr inz.

"Metallization of plastics" by H. Reinsch. Reviewed by Stanislaw
Wirbilis. Przegl mech 21 no.22:707 25 N '62.

WIRBILIS, Stanislaw, mgr inz.

"Improvement of anticorrosive protection by the modern methods of galvanic surface treatment" by T. Jelinek. Reviewed by Stanislaw Wirbilis. Przegl mech 21 no.24:769-770 25 D '62.

WIRBILIS, Stanislaw, mgr inz.

"Influence of chemical and electrolytic surface treatment upon the mechanical properties of metals" by W. Huber. Reviewed by Stanislaw Wirbilis. Przegl mech 21 no.24:771-772 25 D '62.

WIRBILIS, Stanislaw, mgr inz.

"Hardcoat as a metal finishing process" by D.R. Johnson.
Reviewed by Stanislaw Wirbilis. Przegl mech 22 no.5:156-157
10 Mr '63.

WIRBILIS, Stanislaw, mgr inz.

"In connection with the cooperation of the member countries of the Council for Mutual Economic Assistance in the field of electroplating" by B. Mach. Reviewed by Stanislaw Wirbilis. Przegl mech 22 no.1:23-24 10 Ja '63.

WIRBILIS, Stanislaw, mgr inż.

"Hardcoat as a metal finishing process" by D.R.Johnson. Pt.1.
Reviewed by Stanislaw Wirbilis. Przegl mech 22 no.2:56-57
25 J '63.

WIRBILIS, Stanislaw, mgr inz.

"Immersion gold plating" by L. Vrobel. Reviewed by
Stanislaw Wirbilis. Przegl mech 22 no.4:125-126 25 F '63.

WIRBILIS, Stanislaw, mgr inz.

"Mechanical properties of electroplated metal coatings"
by W. Huber. Reviewed by Stanislaw Wirbilis. Przegl
mech 22 no.6:188 25 Mr '63.

WIRBILIS, Stanislaw, mgr inz.

"Reduction of costs and modernization in the performance of sandblasting"
by H. Reinsch. Reviewed by Stanislaw Wirbilis. Przegl mech 22 no.10:
321-322 25 My '63.

WIRBILIS, Stanislaw, mgr inz.

"Modern surface working with grinding and polishing drums and bells", by T. H. Curti. Reviewed by Stanislaw Virbilis.
Przegł mech 22 no. 12:388 25 Je '63.

WIRBILIS, Stanislaw, mgr inz.

"The effect of addition agents on the structure and physical properties of gold electrodeposits" by G. Foulke. Reviewed by Stanislaw Wirbilis. Przegl mech 22 no. 13: 418 10 J1 '63.

WIRBILIS, Stanislaw, mgr inz.

"Effect of operating conditions on the properties of sulfuric acid anodic oxide coatings" by A. Prati, F. Sacchi, G. Paolini, Reviewed by Stanislaw Wirbilis. Przegl mech 22 no. 16: 515 25 Ag '63.

WIRBILIS, Stanislaw, ing inz.

"Alkaline blackening treatments for coloring iron and steel"
by D. Fishlock. Reviewed by Stanislaw Wirbilis. Przegl
mech 22 no.17:545 10 S '63.

WIRBILIS, Stanislaw, mgr inz.

"Black nickel plating" by D.Fishlock. Reviewed by Stanislaw
Wirbilis. Przegl mech 22 no.18:576 25 S'63

"Rhodium sulfate electrolyte and application of rhodium as
protection against corrosion" by H.Thunack. Reviewed by
Stanislaw Wirbilis. Ibid:578

WIRBILIS, Stanislaw, mgr. inż.

"Electroplated coatings on molybdenum " by L. Domnikov.
Reviewed by Stanislaw Wirbilis. Przegl mech 22 no. 19:
611-612 10, 0 / 63%

WIRBILIS, Stanislaw, mgr. inz.

"Some notes on the use of nickel in titanium baskets as anodes" by A. W. Wallbank. Przegl. mech. 22 no. 20:639-640 25 0 '63.

"Bismuth plating on steel from alkaline electrolytes" by J. A. McCarthy. Reviewed by Stanislaw Wirbilis. Ibid.:641.

WIRBILIS, Stanislaw, mgr inz.

"Acid cadmium plating bath" by L. Domnikov. Reviewed by
Stanislaw Wirbilis. Przegl mech 22 no.21:675-676 10 N '63.

WIRBILIS, Stanislaw, mgr inz.

"Joining different materials" by H. Reinsch. Reviewed by
Stanislaw Wirbilis. Przegl mech 22 no.22:705-706 25 N. 163.

WIRBILIS, Stanislaw, mgr inz.

"Phosphatizing in machine construction" by C.Enke. Reviewed
by Stanislaw Wirbilis. Przegl mech 22 no. 23:737-738 10 D '63.

"Zinc-nickel alloy electroplated coatings" by L.Domnikov.
Reviewed by Stanislaw Wirbilis. Ibid.:740

WIRBILIS, Stanislaw, mgr inz.

"Noncurrent nickel plating of aluminum and its alloys"
by J.Zikova, M.Litomyska. Reviewed by Stanislaw Wirbilis.
Przegl mech 22 no.24:769 D'63.

ROHATYNSKI, R., dr inz.; WIRBILIS, Stanislaw, mgr inz.
KOWALSKI, Wieslaw, mgr inz.

Review of technical publications. Przegl mech 23
no. 1: 24-27 10 Ja '64.

WILK, Andrzej, mgr inż.; WIRBILIS, Stanisław, mgr inż.;
KOWALSKI, Wiesław, mgr inż.

Technological press review. Przegl mech 23 no. 2: 56-60
Ja '64.

WIRBILIS, Stanislaw, mgr inz.; KOWALSKI, Wieslaw, mgr inz.; WILK,
Andrzej, mgr inz.

Review of technological periodicals. Przegl mech 23 no. 3:
88-92 10 F '64.

WIRBILIS, Stanislaw, mgr inz.

Survey of technological publications. Przegl mech 23 no. 4:
120-124 25 F '64.

KONARSKI, Jerzy, mgr inż.; WIRBILIS, Stanisław, mgr inż.

Review of publications on technology. Przegl mech 23 no. 5:
153-156 10 Mr '64.

WIRBILIS, Stanislaw, mgr inz.; KOWALSKI, W., mgr inz.

Review of publications. Przegl mech 23 no.7:217-221 10 Ap '64.

WIRBILIS, Stanislaw, mgr inz.; KOWALSKI, Wieslaw, mgr inz.

Review of publications. Przegl mech 23 no.8:249-253
25 Ap'64

WIRBILIS, Stanislaw, mgr inz.; KOWALSKI, Wieslaw, mgr inz.;
HAJDUK, B., inz.

Review of the technological press. Przegl mech 23 no.11:
318-323 10 Ju '64.

KOWALSKI, W., mgr inz.; WIRBILIS, Stanislaw, mgr inz.

Review of publications. Przegl mech 23 no.13:381-385 10 J1 '64.

WIRBILIS, Stanislaw, mgr inż.

Equipment for galvanic working. Pr.egl mech 23 no.17/18:521-524
25 S '64

1. Communication Equipment Works, Warsaw.

WIRBILIS, Stanislaw, mgr inz.; KOWALSKI, Wieslaw, mgr inz.

Review of publications in engineering. Przegl mech 23 no.14:
414-417 25 J1 '64

WIRBILIS, Stanislaw, mgr inz.

Publication reviews. Przegl mech 23 no.15:445-449 10 Ag '64

WIRBILIS, Stanislaw, mgr inż.; KOWALSKI, W., mgr inż.

Review of the technical press. Przegl mech 23 no. 19:573-
574 10 0 '64.

WIRBILIS, Stanislaw, mgr inz.

Review of the technical press. Przegl mech 23 no.20:606-607
25 0 '64

PISKORSKI, Boguslaw, mgr inz.; WIRBILIS, Stanislaw, mgr inz.

Review of the technical press. Przegl mech 23 no. 21:633-637
10 N '64.

TATARA, Franciszek, dr. inż.; WIRBILIS, Stanislaw, mgr. inż.

Review of the technical press. Przegl mech 24 no.1:23-28
10 Ja '65.

ZYGMUNT, K., doc. dr. inz.; MILLER, Stefan, dr. inz.; WIRBILIS, Stanislaw,
mgr. inz.; KUS, Andrzej, mgr. inz.

Review of the technical press. Przegl mech 24 no.2:56-61 25 Ja '65.

PISKORSKI, B., mgr inz.; DZIERZKOWSKI, A., mgr inz.; WIRBILIS, Stanislaw,
mgr inz.

Review of the technological press. Przegl mech 24 no.3:89-94
10 F '65.

WIRBILIS, Stanislaw, mgr inz.; KUS, Andrzej, mgr inz. MYSTKOWSKI, Andrzej,
~~mgr inz.~~

Review of the technical press. Przegl mech 24 no.4:116-121
25 F '65.

WIRBILIS, Stanislaw, mgr inz.; ROHATYNSKI, Ryszard, dr inz.; KOWALSKI, Wieslaw,
mgr inz.

Review of the technical press. Przegl mech 24 no.5:151-156
10 Mr '65.

DZIAMA, A., dr inż.; ROHATYNSKI, Ryszard, dr inż.; KOWALSKI, W., mgr inż.;
WIRBILIS, Stanisław, mgr inż.

Reviews of the technical press. Przegl mech 24 no.6:137-
190 25 Mr '65.

WIRBILIS, Stanislaw, mgr inz.; ROHATYNSKI, Ryszard, dr inz.

Reviews of the technical press. Przegl mech 24 no.9:280-
284 10 My '65.

WIRBILIS, Stanislaw, mgr inz.; ROHATYNSKI, Ryszard, dr inz.; TATARA, Franciszek,
dr inz.

Reviews of the technical press. Przegl mech 24 no.10:311-315
25 My '65.

WIJECKA, ELIZBIETA

✓ Synthesis of 2-methoxy-3-chlorobenzoic acid and its ethyl ester. ~~Ryszard Wójcik, Stanisław Chmielewski, and Elżbieta Wijscka (Inst. Technol., Warsaw). Roczniki Chem. 45, 668-670 (1971) (English summary).~~ Reduction of 2,4-O₂N(CI)C₆H₃OMe with Fe and HCl gave 71% 2,4-H₂N(CI)C₆H₃OMe, which treated with NaNO₂ and HCl, and then with Cu(CN)₂ gave 82% 2,5-MeO(CI)C₆H₃CN (I), m. 99-100° (from alc.). Heating I in a water-alc. soln. of NaOH gave 51% 2,5-MeO(CI)C₆H₃CO₂H, m. 77-8° (from alc.), which heated in an excess of EtOH in the presence of H₂SO₄ gave 53.8% 2,5-MeO(CI)C₆H₃CO₂Et, m. 98-100° (from EtOAc).
P. Dreyfuss

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547.583.1-261.07

Przytycka R., Malinowski S., Wirecka E. Synthesis of 2-Methoxy-5-Chlorobenzoic Acid and its Ester

"Otrzymywanie kwasu 2-metoksy-5-chlorobenzoowego oraz jego estru" Roczniki Chemii (PAN) No 4, 1954, pp 663-668.

2-methoxy-5-chlorobenzoic acid was synthesised as follows by reduction of 2-nitro-4-chloroanisole with iron and hydrochloric acid, 2-amino-4-chloroanisole was obtained. This compound by the Sandmeyer reaction was transformed to 2-methoxy-5-chlorobenzonitrile, which was further hydrolyzed by heating in a water-alcohol solution of sodium hydroxide giving 2-methoxy-5-chlorobenzoic acid. By heating this acid in the presence of ethanol in the presence of sulphuric acid the corresponding ester was obtained.

WIRKUNG BEI EINER ...
on excess of ethanol in the presence of sulphuric acid the corresponding
ester was obtained.

(2)

WIRECKI, Marek

Critical remarks concerning the definition and classification
of coronary insufficiency. Polski tygod lek. 12 no.6:209-211
4 Feb 57.

1. Adres: Warszawa, ul. Rakowiecka 1/3.
(CORONARY DISEASE
classif. & definition (Pol))

WIRECKI, Marek

Prolonged administration of syntrom in angina pectoris. Preliminary communication. Polskie arch. med. wewn. 29 no.4:467-468 1959.

1. Z Poradni Przeciwwzakrzepowej przy Oddziale Chorob Wewnętrznych
Kierownik Poradni: dr med. M. Wirecki Instytutu Hematologii Dyrek-
tor: doc. dr med. A. Trojanowski.
(ANGINA PECTORIS, ther.) (ANTICOAGULANTS, ther.)

POLAND

JURCZYK, Witold; KOTECKI, Andrzej and WIRGA, Zdzislaw;
Third Surgical Clinic (III Klinika Chirurgiczna), AM
Akademia Medyczna -- Medical School in Poznan, Director:
Prof Dr Med Adam PISKORZ.

'Acute Changes in the Respiratory Tract in the Post-Operative Course'

Warsaw, Polski Tygodnik Lekarski, Vol XVIII, No 8, 18 Feb
1963, pp 291-296.

Abstract: [Authors' English summary modified] 5425 surgical cases are analyzed statistically for post-operative respiratory complications. The kind of operation, the region operated, the age of the patient and the kind of anesthesia used are taken into consideration. Acute changes in the respiratory tract during the post-operative course appeared in 12.1 percent of the patients. Mostly, inflammation of the

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WIRKOWSKA, BARBARA

LAPINSKI, Adam; WIRKOWSKA, Barbara

New type of Salmonella isolated in the Gdansk region. Med. dosw.
mikrob. 9 no.3:259-260 1957.

1. Z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Gdansku Dyrektor:
dr J. Rychard.

(SALMONELLA.

STRAIN 6,7:1, v:26, isolation from feces (Pol))

WIRKUS, F.

A slide rule for indirect calculation of the altitude of isobaric surfaces. p. 31.
(PRZEGŁAD GEOFIZYCZNY. Vol. 1, no. 1, 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (BEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

WIRPSZA, Z

Distr: 482c(j)

✓ Dicyandiamide as a raw product for molding materials.
 III. Molding materials from molten dicyandiamide. I.
 Brzezinski, M. Kozifski, and Z. Wirpsza. *Przemysł Chem.*
 34, 103-8 (1955) (English summary). — A new plastic molding
 powder consisting of a reaction product of dicyandiamide
 (I) with PhOH and HCHO was elaborated. One mole of
 PhOH and 1 mole of I were heated in a Witt's flask with a
 stirrer on an oil bath (200–20°, i.e., few degrees above the
 b.p. of the melt). The clear melt got cloudy at 180–85°
 as melamine pptd., till a thick melt was obtained (60–70%
 of I was converted into melamine), which hardened upon
 cooling into a thixotropic mass contg. 20–30% of melamine.
 The melt was condensed with HCHO and alkalized with
 Na₂CO₃·10H₂O. The amt. of HCHO was calcd. as follows:
 for each mole of PhOH in the melt 1 mole of HCHO, and
 for each mole of I, 2 moles of HCHO were used. The con-
 densation was performed at a temp. ≤ b.p. of the mixt. for
 20 min., cooled rapidly, and then condensed under a pres-
 sure ≥ 120 mm. Hg, temp. ≤ 85°, till a brittle and nontacky
 product was obtained. This (100 parts) was mixed with
 80 parts wood flour, 1.8 parts Zn stearate or stearic acid,
 and colors and pigments. This mixt. was calendered, with
 the first roller at 80–70° and the second at 120–130°, till
 it stopped sticking to the rollers.

L. G. Manilius

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Distr: 4E2c (j)

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Molding range of amino plastics. Jan Błędziński and
Zygmunt Wujera (Inst. Kunststoffe, Warsaw). Kunst-
stoffe 47, 684-692 (1957). Molding time, temp., and wall
thickness are the processing parameters. A method of
cutting molds into sections is explained by using 2 Polish
amino plastics, and the areas of under- and overcured urea
and melamine molding materials were detd. Arthur Lyem -

208

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2-May
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POLAND/Chemical Technology. Chemical Products and Their
Application. Synthetic Polymers. Plastics.

H

Abs Jour: Ref Zhur-Khim., No 13, 1958, 45086.

Author : Wirpsza Z.

Inst :

Title : Molding Powders With a Base of Urea-Formaldehyde Resins.

Orig Pub: Przen. chem., 1957, 13, No 5, 285-290.

Abstract: The Polish Institute of Plastics has investigated the factors which determine the flow, rate of hardening and water resistance (in boiling water) of molding powders (MP). The properties of MP are strongly affected by the amount of urotropine (I), increased content of I has an adverse effect on molding characteristics of MP, depending upon the

Card : 1/2

Distr: 4E2c(j)

5550

678.652

Wirpeza Z. The Chemistry of Condensation of Industrial Urea-Formaldehyde Resins, 5

"Chemizm kondensacji przemysłowych żywic mocznikowo-formaldehydowych". Przemysł Chemiczny. No. 1, 1958, pp. 38-43, 7 figs., 3 tabs.

The chemistry of the process of condensation of industrial urea-formaldehyde resins was studied at urea/formaldehyde molar ratio 1:1.9; 1:2.1; 1:2.5, by determining the concentration of free CH_2O , methylol groups, intermolecular bonds, and the water tolerance of resins. An examination was made of the influence of urea/ CH_2O molar ratio, the time of acidulation, pH, and the presence of methanol on the compositions of the condensate and its water tolerance. The following facts were established: 1) during the reaction of condensation the concentration of free CH_2O increases after reaching a minimum; 2) the concentration of methylol groups passes maximum; 3) the composition of the end resin does not depend on the time of acidulation of the reaction mixture; 4) the presence of methanol slows down the reaction of CH_2O bonding and of condensation, and increases the water tolerance of resins. The formation of methoxy groups was indirectly established.

See also: 5461, 5464, 5468, 5478, 5483, 5485, 5487, 5489, 5492, 5493, 5497, 5515, 5551, 5552, 5553, 5558, 5567, 5588, 5589, 5590, 5591, 5592, 5593, 5594, 5595, 5596, 5599, 5604, 5607.

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WIERSZA, Z.

WIADOMOSCI CHEMICZNE. Wroclaw. Vol. 12, No. 7, July 1953.
Theory of urea- formaldehyde condensation. P. 393.

SCIENCE

Monthly List of East European Accessions (EEAI) LC, Vol. 3, No. 2,
February 1959, Unclass.

Country : Poland
Category :

H-29

Abs. Jour. :

47824

Author : Wirpsza, Z.

Institut. :

Title : The Chemism of Condensation of Industrial
Urea-Formaldehyde Resins.

Orig Pub. : Przem. chem., 1958, 37, No 1, 38-43

Abstract : For industrial urea-formaldehyde resins produced with a molar ratio of urea (I) to CH_2O (II) of 1:1.9, 1:2.1, and 1:2.5, determinations were made of concentration of free II, of CH_2OH -groups (III), and of the compatibility of the resins. There were determined the effects of molar ratio I:II, time of acidification, pH, and presence of CH_3OH on composition of resin and its compatibility. It was found that during condensation the concentration of free II passes through a minimum, while that of III -- through a maximum. Composition of finished resin does not depend on time of acidification; presence of CH_3OH inhibits the reaction of binding of II, and condensation, and increases compatibility
Card: 1/2

Country : Poland
Category :

Abstr. Jour. :

H-29

Author :
Institut. :
Title :

47824

Orig. Pub. :

Abstract : of the resin. Formation of III is proven in-
directly. -- Author's summary.

Card: 2/2

POLAND / Chemical Technology, Chemical Products and Their
Application. Synthetic Polymers. Plastics.

H-29

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 17515

Author : Brzozinski, J.; Starzynska, K.; Wirpsza, Z.

Inst : Not given

Title : Formalin as a Raw Material in the Manufacture of
Plastics

Orig Pub : Przem. chem., 1958, 37, No 2, 72-73

Formalin (I) of approx. 40% concentration (of formalde-
hyde in a methanol free solution) was derived from para-
formaldehyde. In the reaction the HCOOH was neutralized
with urothopine, and the excessive quantity of formalde-
hyde (over 30% concentration) was stabilized with urea.
It is indicated that I has not undergone any changes
during the 2.5 years storage at 15 - 25°. The question
of starting commercial production of I in PNR has been

Card 1/2

H-126

POLAND / Chemical Technology, Chemical Products and Their
Application. Synthetic Polymers. Plastics.

H-29

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 17515

raised. This will result in releasing considerable quantity of methanol, whose supply has been inadequate, and which was used as a stabilizing agent, and divert it for the manufacture of additional quantities of I for the production of amino-plastics. For the purpose of improving quality of industrial I, it is recommended to have it treated with the domestic ionites of GM type. This will permit lowering of its HCOOH content from 0.1 - 0.15% to 0.01%. -- L. Pesin

Card 2/2

COUNTRY	: Poland	
CATEGORY	:	H-29
ABS. JOUR.	: RZKhim., No. 21 1959, No.	76758
AUTHOR	: Brzezinski, J. and Wirpsza, Z.	
INST.	: Not given	
TITLE	: The Resistance of Urea- and Melamineformaldehyde Molding Compounds to the Action of External Factors	
ORIG. PUB.	: Przemysl Chem, 37, No 5, 361-364 (1958)	
ABSTRACT	: The moisture absorption (MA) of urea- (I) and melamineformaldehyde (II) molding compounds at about 20° and at elevated temperatures was investigated on standard pellets of 4-mm thickness and 100-mm diam. It has been established that at about 20° absorption equilibrium is reached after an extended period of time; the MA of the test specimens continues to increase after 6 months storage under water. Specimens of the molding compounds described above showed no marked changes	

CARD: 1/5

300

COUNTRY : Poland
CATEGORY :

H-29

ABS. JOUR. : RZKhim., No. 21 1959, No.

76738

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT :

in internal structure and no formaldehyde (III) elimination after storage in distilled water at about 20° for 2.5 yrs. The MA of I compositions increases markedly more rapidly than that of II compositions at elevated temperatures. Thus the MA of I exceeds that of II by a factor of 2 at 20°; at 100° that factor has increased to 10-20. The absorption of water is accelerated 120 and 5,000 times for II and I, respectively, when the temperature is increased from 20 to 100°. The dependence of the content of extractable III

CARD: 2/5

COUNTRY : Poland
CATEGORY :

H-29

ABS. JOUR. : RZKhim., No. 21 1959, No.

76738

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT

: on the pressing time of amino plastics was also investigated. It was found that the amount of extractable III and the MA of the materials at first decrease sharply with increasing heat treatment time and then remain unchanged on reaching a specified level. Increasing the time during which II are held at high temperatures produces an insignificant increase in the amount of extractable III after the attainment of a given minimum [sic]. This phenomenon is explained by the partial thermal decomposition of II. It

CARD: 3/5

301

COUNTRY : Poland
 CATEGORY :
 ADS. JOUR. : RZKhim., No. 21 1959, No. 76738
 AUTHOR :
 TITLE :

ORIG. PUB. :

ABSTRACT : has been found that the shrinkage during pressing increases with increasing moisture content of the starting materials. The shrinkage depends primarily on the pressing temperature and does not depend on the heat treatment time. The study of the properties of amino plastics at elevated temperatures has established upper limits for the temperature at which these materials can be expected to give long service; the limits found were 80° for I and 100-110°

CARD: 4/5

COUNTRY	: Poland	H-29
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 21 1959, No.	76738
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT	: for II. Molding compounds stored under water under variable temperature conditions (20-80°, with lengths of 1-3 days for each cycle), are covered with a network of microscopic cracks after 4-5 months; II was found to be more resistant to variable [temperature] conditions than I.	
	L. Sedov	

CARD: 5/5

302

BRZEZINSKI, Jan; WIRPSZA, Zygmunt

Urea and melamine resins in the paper industry. Przem chem
39 no.2:70-73 F '60.

1. Instytut Tworzyw Sztucznych, Warszawa

WIRPSZA, Zygmunt

Mechanism of condensation of etherified urea formaldehyde resins.
Pt. 3. Hydrogen compounds in highly butylated urea formaldehyde
resins. Tworzywa wielkocząst 6 no.10:319-322 0 '61.

1. Instytut Tworzyw Sztucznych, Zakład Tworzyw Kondensacyjnych,
Warszawa.

(Gums and resins, Synthetic)

S/081/62/000/024/028/052
B119/B186

AUTHOR: Wirpsza, Zygmunt

TITLE: Study of the condensation process of esterified urea formaldehyde resins. 3. Condensation of nonsubstituted and highly butylated urea formaldehyde resins

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24(II), 1962, 900-901, abstract 24P604 (Polimery, tworzywa wielkocząsteczkowe, v.6, no.10, 1961, 319-322 [Pol.; summaries in Eng. and Russ.])

TEXT: The change in intensity of hydrogen bonds in low-converted urea formaldehyde resins (UFR) of different compositions in CCl_4 solutions of different concentrations was studied by infrared spectroscopy. Since no changes of the IR spectra occur with UFR concentrations over 0.01 mole/liter, the author concludes that all H atoms bound to N and O form a network of hydrogen bonds. With lower concentrations, the intensity increases at 3450 cm^{-1} in connection with the occurrence of unbound NH groups. With butylation of UFR, absorption decreases between 3300 and 3400 cm^{-1} in

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connection with the intensity decrease of the hydrogen bonds. On the basis of the data obtained, patterns for the position of hydrogen bonds in UFR were suggested and the corresponding frequency ratios of the amino groups were given for the individual reaction patterns. For communication 2, see RZhKhim, 1962, 22P86. [Abstracter's note: Complete translation.]

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SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

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dr M.Weiss:

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Budapest, Hungary, Vol. 63, No. 1, Jan./Feb. 1959.

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Some remarks on the Sivadjian method of measuring raindrop spectrum.
Idojaras 63 no.6:329-332 N-D '59. (EEAI 9:10)
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ACC NR: AP6020622

SOURCE CODE: HU/0033/66/000/001/0001/0009

AUTHOR: Wirth, Endre--Virt, E.

ORG: none

TITLE: Measurement of the concentration of ice nuclei in the atmosphere This paper
was presented at the symposium on cloud physics organized by the Hungarian Meteorological Society in Budapest on 8-10 Sep 65.

SOURCE: Idojaras, no. 1, 1966, 1-9

TOPIC TAGS: ice, beta radiation, aerosol, parameter, atmospheric radioactivity

ABSTRACT: After presenting the method of measurement (employing a modified Maruyama-type mixing chamber) on the basis of five months of data (3 Mar 1965 to 14 Aug 1965 with 10 data/month), the author compares the ice-nucleus concentration with various meteorological parameters considering the concentration of nuclei of different sizes. Close correlation was found to exist between the artificial β -radioactivity and the sulfate content of the aerosols on one hand and of ice-nucleus concentration on the other hand. The data support the hypothesis of the extraterrestrial origin of the ice nuclei. Orig. art. has: 13 figures and 1 table. [Orig. art. in Russian.] [JPRS]

SUB CODE: 04, 18 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 017

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